

9/13/00

JV

Graft Syringe RTU

4405249 (Expires 3-19-01) (Seals)

① X - we have no conical piston
X - we have no piston deformity
⑦ X - requires deformable, conical piston

4,881,135 (Gorman)

- a) closed upper end of barrel
- c) flared barrel
 - to facilitate extrusion of mass from barrel

X - we will have a slightly smaller lower (delivery) end
- flare is in opposite direction

4632732 (Kuitrys)

- a venting syringe plunger
- all claims require O-ring which produces a directional valve
- X - our design has no O-ring + we are always open

4769011 (Swaniger)

① X - no plunger guide hole
- no flexible plunger stem

⑨ X - some limitations

⑩ X - some limitations

4826306 (Gorman)

X - jaw surgery method claims only
X - flare

4994065 (Gibbs)

X - (caulking gun) ratchet required

5152763 (Johnson)

- requires: coring of patients bone to produce autograft

: compressing bone

: introduce at acceptor site

→ requires "bone grasper" device to core + then deposit graft elsewhere

(Brandhorst) 5181918

X - requires valve means (O-ring) for directional vacuum production

5577517 (Bonutti)

① - sealing over graft material placed in an opening in the human body

- conducting a flow of sealant material

④ X - requires removing fluid from particles

5694951 (Bonutti)

① + ④ + ⑧ X - requires suction + removing fluid

5,697,932 (Smith)

① X - requires inserting tube + then removing tube from area + keeping graft in place

④ X - medullary canal (in long bones)

- withdrawing tube while leaving plunger in place

③ X - plunger must be removable from first end of tube

⑥ X - requires tube extractor

5718707 (Mikhail)

~~X - Requires guide wire + actuating means~~

- ① X - requires guide wire (to trap depression into graft) + ejector member
- ⑤ X - requires guide wire + ejector member
- ⑧ X - requires ejector member (we have 1 plunger, not two)

5772665 (Gird)

X - Check valve, diaphragm, + actuating means.

5824084 (Muschler)

X - Method involving BM aspirate

5925051 (Mikhail)

X - Method of '707, w/ guide wire + ejector member

6019765 (Thornhill)

- JJPI

X - I + 10 - acetabular cup + nozzle

X - II - plurality of nozzle for inject NH₂ plasticizers

6045555 (Smith)

- Continuation of '932

⑨ X - X. position impression formed in graft by pushing plunger into graft

⑩ X - moving tube away from seating area + plunger remains

X - cavity w/in graft

6049026 (Muschler)